EXCEEDANCE TYPES April 7 – May 2, 2005

According to the Washington Department of Ecology TDG variance for 2005 spill season, the Corps is required to provided the following information on exceedances of the 120% TDG in tailwater and 115% TDG in forebay water quality standards:

- 1. Date and times of exceedance
- 2. Amount of exceedance in percent saturation

12. Exceedance due to sharp rise in water temperature (a 3 to 5 degree F. change in a day).13. Exceedance due to bulk spill pattern being used which generated more TDG than expected.

- 3. Explain reason for exceedance
- 4. Discuss steps taken to fix the problem.

In order to provide the above information, the Corps has developed the following draft list of reasons that exceedances occur. Exceedances are being tracked and the following table is the results for the 2005 spill season from April 7 to May 3, 2005.

Types of Exceedances:								
1. Exceedance due to high runoff flows and flood control efforts								
2. Exceedance due to Intertie line outages								
3. Exceedance due to unit outages during repair or maintenance								
4. Exceedance due to BPA is unable to handle load so they had to spill								
5. Exceedance due to a break down in communication. (e.g. Teletype transmission failure or project operator misinterpreted teletype)								
6. Exceedance due to uncertainties when using best professional judgment to apply the spill guidance criteria (travel time; degassing; water								
temperature effects; spill patterns)								
7. Exceedance due to high TDG levels coming from the Mid-Columbia Projects (see Pasco FMS readings).								
8. Exceedance due to high TDG levels coming from the Snake Projects (See Ice Harbor Dam tailwater FMS readings)								
9. Exceedance due to a load rejection, the powerhouse was not working and the river was spilled.								
10. Exceedance due to failure of FMS gages, database outage, and satellite failures, etc								
11. Exceedance due to other unanticipated mechanical problems/maintenance operations (gate was stuck open, passing debris etc.)								

Exceedances are being tracked and the following table is the results for the 2005 spill season from April 7 to May 2, 2005.

TYPES OF EXCEEDANCES OF 12 HIGHEST HOURS AVERAGE OF % TDG

For 2005 Spill Season

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	Low	Low	Little	Little	Low	Low	Ice	Ice						The	The				
	Gran	Gran	Goose		Monu.	Monu.	Harb	Harb		McNary	_	John	John	Dalles	Dalles		BON	WRNO	
	FB	TW	FB	TW	FB	TW	FB	TW	FB-W	FB-O	TW		Day TW	FB	TW	FB	TW	TW	FB
	LWG	LGNW	LGS	LGSW	LMN	LMNW	IHR	IDSW	MCQW	MCQO	MCPW	JDY	JHAW	TDA	TDDO	BON	CCIW	WRNO	CWMW
	NO	NO	NO	NO	NO	NO	spill	spill											
4/7/05	SPILL	SPILL	SPILL	SPILL	SPILL	SPILL	begins	begins											
4/8/05																			
., 5, 5 5																			
4/9/05																			
., 0, 00									spill	spill	spill	spill	spill						
4/10/05									begins	begins	begins	begins	begins						
4/44/05														spill	spill				1
4/11/05														begins	begins				
4/12/05 4/13/05																			
4/13/05																			
4/14/05																			
																spill	spill	spill	spill
4/15/05																begins	begins	begins	begins
4/16/05																			
4/17/05																			
4/18/05																			
4/19/05																			
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4/26/05										12									6
4/27/05																			
4/28/05																			
4/29/05																			
4/30/05																			6
5/1/05																			6
5/2/05										-									6